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Hawkins
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : David M. Buczek et al. Art Unit : 2841
Serial No. : 09/658,838 Examiner : Kamand Cuneo
Filed : September 8, 2000
Title : POLYMER ENCAPSULATED CERAMIC SUPERCONDUCTORS

Commissioner for Patents
Washington, D.C. 20231

RESPONSE

In response to the action mailed October 24, 2001, please amend the application as follows.

In the claims

Cancel claims 14, 15 and 19-22.

Amend the claims as follows.

a' 805 B1 7

--1. (Once Amended) A superconducting article, comprising:
a ceramic superconductor having a length and an outer surface along its length; and
a sealing structure configured to form a seal to prevent a cryogenic fluid at a pressure of about one atmosphere from infiltrating into the ceramic superconductor through the outer surface of the ceramic superconductor,
wherein the sealing structure comprises a cured polymer layer encircling the outer surface of the ceramic superconductor, and the superconducting article is in the form of a cable.

2. (Once Amended) The article of claim 1 further comprising a metallic layer laminated to the ceramic superconductor, the cured polymer layer surrounding the metallic layer.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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